20IT3501-COMPUTER NETWORKS

Course Pa		Programme core				(Credits:								3		
		Theor	heory				Lecture-Tutorial-Practice:							2-0-2			
Prerequisites:							Continuous Evaluation:							30			
							Semester end Evaluation:							70			
						1	Total Marks:							100			
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Course								e cour									
Outcomes	CO1 Understand the functioning of the network compone wireless communication										ents i	n wir	ed and				
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		CO2 Apply error detection, correction and security methods in a network															
	CO	CO3 Analyze different protocols functioning at Application layer, Transport layer													ort layer		
	and Network layer. CO4 Evaluate the shortest path in data transfer with Routing algorithms																
Contributio	CO		2vai P			P	Р		Р	P	P	P		P			
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Outcomes			1	2	3	4	5	6	7	8	9	10	11	12	O1	1502	
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Outcomes																	
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Course Content		IT I:		n• II	202 01	f Co	mnuta	or No	worl	ze N	etwo	rl H	ardwa	ro I	ΛNc	MANs,	
Content							•				Ctwo	IK 116	aruwa	iic, L	A115,	IVIAINS,	
		WANs, Network Software. The Network core Reference Models: The OSI Reference Model, TCP/IP Reference Model, the												del. the			
	comparison of OSI, and TCP/IP reference models																
	UNIT II: Application Layer: Principles of network applications, The Web and HTTP, FTP, E-Mail in the internet, DNS-The internet's directory service.																
	Transport Layer: Connectionless Transport: UDP, Connection-Oriented Transport:												ansport:				
	TCP, Principles of congestion control, TCP Congestion Control. UNIT III: The Network Layer: Introduction, Virtual circuits and Datagram Networks, The Internet Protocol(IP), Routing Algorithms																
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								ink S		algor	ithme	2					
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	The Link Layer and Local Area Networks : Introduction and services, Error Detection and Correction Techniques, Switched Local Area Networks													.,			
	UNIT IV:																
	cha	ractei	risti	cs, W	i-fi, N	Mobi	le IP									Network	
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